

PHILIPS

Automotive

Discover our 2018 / 2019 **innovations**





Driving **innovation**

Our advanced light engine technology has been at the forefront of automotive lighting for more than 100 years. As a leading supplier of lamps and lighting products to the automotive industry and aftermarket, we combine technical innovations with a genuine concern for safety and driving comfort.

Discover our innovative automotive lighting solutions and accessories that are part of our 2018/2019 portfolio and beyond.

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LED retrofit lighting



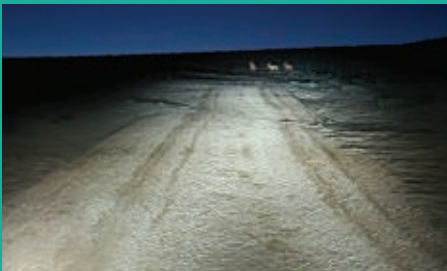
Discover a new track

Which LED lamp do you need?

The next level of white light



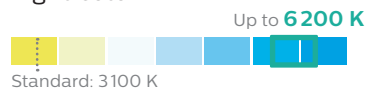
Ultinon LED



Beam performance



Light color



Lifetime



Available in

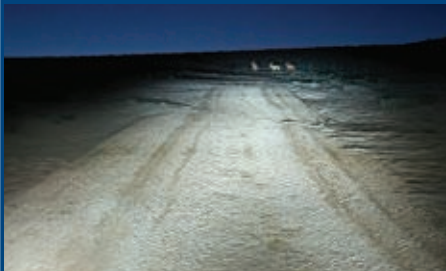
LED-HL [≈H4], [≈H7]

LED-FOG [≈H8/H11/H16]

Brighter. Whiter. Stronger.



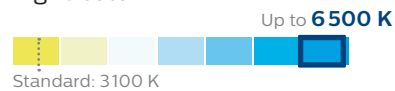
X-tremeUltinon LED



Beam performance



Light color



Lifetime



Available in

LED-HL [≈H4], [≈H7], [≈HB3/HB4], [H1]**, [H11]**, [HIR2]**

LED-FOG [≈H8/H11/H16]

New

Original automotive performance in LED



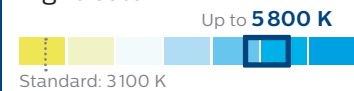
X-tremeUltinon LED gen2



Beam performance



Light color



Lifetime



Available in

LED-HL [≈H4], [≈H7]

LED-FOG [≈H8/H11/H16]

Images for illustration purposes only.

* Compared to the minimum legal standard for halogen bulbs

** Coming soon



It is your own responsibility to ensure that the use of the LED retrofit lights complies with applicable local legal requirements.

Which LED for which function?



| | | | | | |
|------------|-----------------------------------|------------------|------------------|------------------|-----------------|
| | | | | | |
| Headlights | Front position/ parking lights | Front fog lights | Front indicators | Dashboard lights | Interior lights |

X-tremeUltinon LED – Original automotive performance in LED

| | | | | | | | | |
|--------------------|-------------------------------|-----------------------------------|-----------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | | | | | | |
| LED-HL [≈H4] 5800K | LED-HL [≈HB3/HB4] 6500K | LED-T10 [≈W5W] 6000K | LED-FOG [≈H8/H11/H16] 5800K | LED-AMBER [≈PY21W] CAN bus* AMBER | LED-T10 [≈W5W] 4000K | LED-T10 [≈W5W] 6000K | LED-T10 [≈W5W] 4000K | LED-T10 [≈W5W] 6000K |
| | | | | | | | | |
| LED-HL [≈H7] 5800K | LED-T20-WHITE [≈W21/5W] WHITE | LED-AMBER [≈WY21W] CAN bus* AMBER | LED-Fest 30/38/43 mm 4000K | LED-Fest 30/38/43 mm 6000K | LED-Fest 30/38/43 mm 4000K | LED-Fest 30/38/43 mm 6000K | LED-Fest 30/38/43 mm 4000K | LED-Fest 30/38/43 mm 6000K |

Ultinon LED – The next level of white light

| | | | | | | | |
|--------------------|-----------------------------------|-----------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | | | | | | | |
| LED-HL [≈H4] 6200K | LED-T10 [≈W5W] 6000K | LED-FOG [≈H8/H11/H16] 6200K | LED-AMBER [≈PY21W] CAN bus* AMBER | LED-T10 [≈W5W] 4000K | LED-T10 [≈W5W] 6000K | LED-T10 [≈W5W] 4000K | LED-T10 [≈W5W] 6000K |
| | | | | | | | |
| LED-HL [≈H7] 6200K | LED-AMBER [≈WY21W] CAN bus* AMBER | LED-Fest 30/38/43 mm 6000K | LED-Fest 30/38/43 mm 6000K | LED-Fest 30/38/43 mm 6000K | LED-Fest 30/38/43 mm 6000K | LED-Fest 30/38/43 mm 6000K | LED-Fest 30/38/43 mm 6000K |

CANbus adapter for optimal control

| | | | | | | |
|---------------------|---------------------|-----------|------------------------------|------------------|-----------|-----------|
| | | | | | | |
| CANbus LED-HL [≈H4] | CANbus LED-HL [≈H7] | CANbus 5W | CANbus LED-FOG [≈H8/H11/H16] | Smart CANbus 21W | CANbus 5W | CANbus 5W |





| | | | | | | | | |
|--------------------------|------------------------------|-----------------|-----------------|--------------|----------------------|----------------|-------------|-----------------|
| | | | | | | | | |
| Glove compartment lights | Rear position/parking lights | Rear indicators | Rear fog lights | Trunk lights | License plate lights | 3rd stop light | Stop lights | Reversing light |

X-tremeUltinon LED – Original automotive performance in LED

| | | | | | | | | | |
|----------------------|------------------------------------|--------------------|---------------------|----------------------|----------------------|---------------------|---------------------|--------------------------------|--------------------------------------|
| | | | | | | | | | |
| LED-T10 [≈W5W] | LED-T10 [≈W5W] | LED-AMBER [≈PY21W] | LED-RED [≈P21W] | LED-T10 [≈W5W] | LED-T10 [≈W5W] | LED-RED [≈P21W] | LED-RED [≈P21W] | LED-RED [≈P21/5W] | LED-WHITE [≈P21W] |
| | | | | | | | | | |
| LED-Fest 30/38/43 mm | LED-(T20-)RED [≈P21/5W], [≈W21/5W] | LED-AMBER [≈WY21W] | LED-T20-RED [≈W21W] | LED-Fest 30/38/43 mm | LED-Fest 30/38/43 mm | LED-T20-RED [≈W21W] | LED-T20-RED [≈W21W] | LED-T20-RED [≈W21W], [≈W21/5W] | LED-T16-, T20-WHITE [≈W16W], [≈W21W] |

Ultinon LED – The next level of white light

| | | | | | | | | | |
|----------------------|-----------------------|--------------------|---------------------|----------------------|----------------------|---------------------|---------------------|--------------------------------|-----------------------|
| | | | | | | | | | |
| LED-T10 [≈W5W] | LED-RED [≈P21/5W] | LED-AMBER [≈PY21W] | LED-RED [≈P21W] | LED-T10 [≈W5W] | LED-T10 [≈W5W] | LED-RED [≈P21W] | LED-RED [≈P21W] | LED-RED [≈P21/5W] | LED-WHITE [≈P21W] |
| | | | | | | | | | |
| LED-Fest 30/38/43 mm | LED-T20-RED [≈W21/5W] | LED-AMBER [≈WY21W] | LED-T20-RED [≈W21W] | LED-Fest 30/38/43 mm | LED-Fest 30/38/43 mm | LED-T20-RED [≈W21W] | LED-T20-RED [≈W21W] | LED-T20-RED [≈W21W], [≈W21/5W] | LED-T20-WHITE [≈W21W] |

CANbus adapter for optimal control

| | | | | | | | | |
|-----------|-----------|------------------|------------|-----------|-----------|------------|------------|------------|
| | | | | | | | | |
| CANbus 5W | CANbus 5W | Smart CANbus 21W | CANbus 21W | CANbus 5W | CANbus 5W | CANbus 21W | CANbus 21W | CANbus 21W |

*LED CANbus adapter 21W included in the pack



It is your own responsibility to ensure that the use of the LED retrofit lights complies with applicable local legal requirements.

The exciting new Philips X-tremeUltinon LED gen2 range performs at automotive OEM level.



X-tremeUltinon LED gen2

Original automotive performance in LED



IP65

Dust tight and water resistant



EMI proof

Resistant to **electromagnetic interference**



UV block

No UV emission, hence not harmful to headlight units

Original automotive performance

The exciting new Philips X-tremeUltinon LED gen2 range pushes the boundaries of light once again, performing at automotive OEM level. Equipped with exclusive Lumileds LUXEON Altilon LED chips, otherwise only available to carmakers, these lights have optimized consistency, performance up to +250% brighter and a cool white light color to provide sharper visibility.

Best performance with up to +250% brighter light*



With an intense bright beam providing uniform light distribution, Philips X-tremeUltinon LED gen2 headlamps improve visibility and enhance contrast, giving drivers up to +250% brighter light*. That means more time to react to events in front of them. Put simply, drivers get an optimal spectrum for superior visibility and better anticipation. Philips X-tremeUltinon LED gen2 bulbs make the driving experience more enjoyable due to their superior beam performance.



Standard halogen



Philips X-tremeUltinon LED gen2



Light color

The new color temperature of up to **5800 Kelvin cool white** conforms to **OEM standards** by meeting Automotive LED ECE and SAE color specifications, optimized for **visibility and comfort**. Drivers enjoy an instant style upgrade with a crisp, cool white and modern high-end look.



Up to **5800 K** – the OEM reference
X-tremeUltinon LED gen2



Images and graphs for illustration purposes only.

* Compared to the minimum legal standard for halogen bulbs



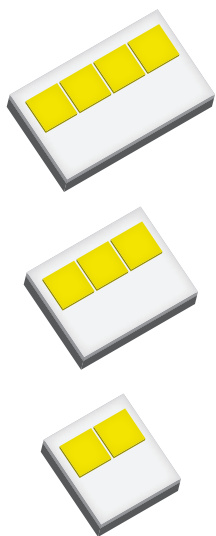
It is your own responsibility to ensure that the use of the LED retrofit lights complies with applicable local legal requirements.

Powered by LUXEON Altilon SMD LEDs (Surface Mounted Device)

Philips X-tremeUltinon LED gen2 headlight bulbs feature Lumileds LUXEON Altilon SMD chips. **Specifically developed for OEM front lighting** (low beam, high beam, fog and curved lighting), LUXEON Altilon SMD LEDs provide **long lifetime and high reliability** that have been proven under stringent automotive testing conditions.



Projecting a wider angle and perfectly positioned light, these headlight bulbs prevent glare and produce a **superior cut-off line**. With higher electrical current capability, they offer increased flux performance. Thanks to their optimal hot lumen ratio, the Philips X-tremeUltinon gen2 lights feature longer-term stability as well as improved thermal resistance and low power consumption. They also provide a **superior homogeneity in color and beam intensity**.



LED headlight from the market



Philips SafeBeam technology



Superior lifetime

Thanks to their **innovative heat-management technology**, Philips X-tremeUltinon LED gen2 headlights have a remarkable lifetime of up to **12 years**.

We also provide a 5-year warranty. As most cars are replaced or upgraded within that time, these lights should last the lifetime of your vehicle.



State-of-the-art LED technology for smarter light

The unique LUXEON Altilon LED chips provide **industry-leading thermal performance** so they can operate effectively at higher temperatures. At the same time, LED lights generate heat that needs controlling.



Passive cooling system with constant air flow, used in Philips X-tremeUltinon LED-HL [≈H4] and LED-FOG [≈H8/H11/H16].

The unique **Philips AirFlux** and **AirCool** technologies are smart heat-management systems that direct heat away from the light's critical components, preventing damage.

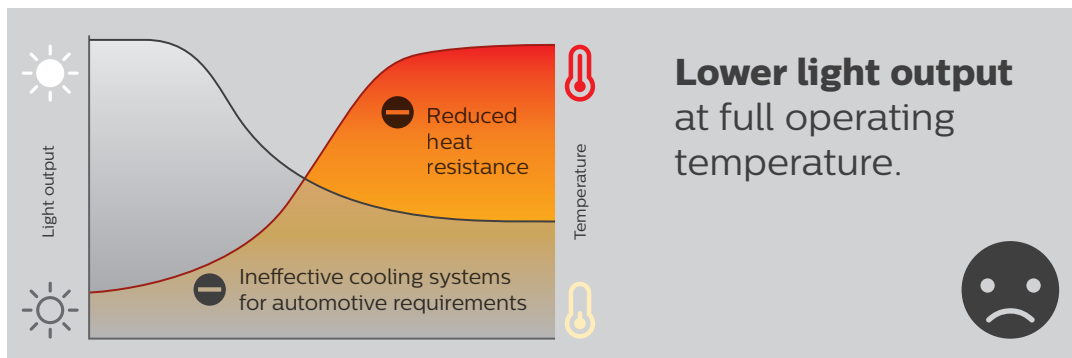


Active fan-based cooling system, used in Philips X-tremeUltinon LED-HL [≈H7].

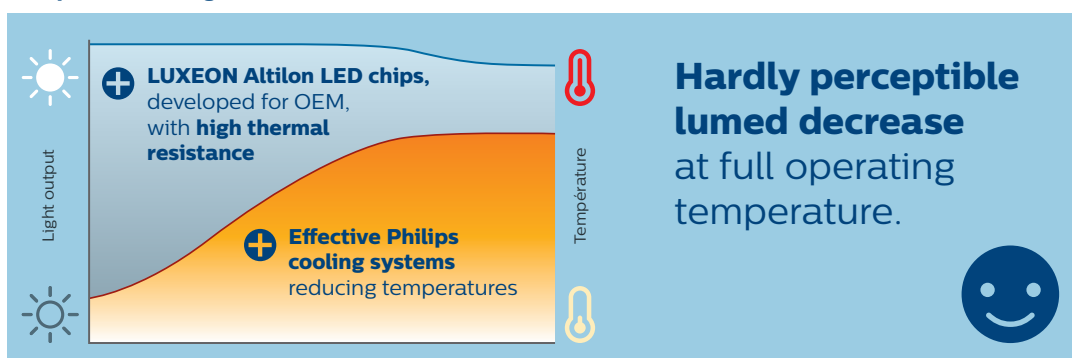
Hot lumen

Both the LED thermal resistance and heat-management systems allow for a **stable hot lumen**. Hot lumen refers to the light output of an LED when it is at its highest temperature. As temperature rises, the brightness of competitor headlight bulbs tends to decrease significantly while the difference in Philips X-tremeUltinon gen2 is hardly perceptible.

LED headlight from the market



Philips LED headlight



It is your own responsibility to ensure that the use of the LED retrofit lights complies with applicable local legal requirements.

X-tremeUltinon LED gen2



LED-HL
[≈H4]

5800 K



LED-HL
[≈H7]

5800 K



LED-FOG
[≈H8/H11/H16]

5800 K



LED-WHITE
[≈P21W]

WHITE



LED-T20-WHITE
[≈W21W]

WHITE



LED-T20-WHITE
[≈W21/5W]

WHITE



LED-T16-WHITE
[≈W16W]

WHITE



LED-RED
[≈P21W]

RED



LED-RED
[≈P21/5W]

RED



LED-RED
[≈W21W]

RED



LED-RED
[≈W21/5W]

RED



LED-AMBER
[≈PY21W]


AMBER



LED-AMBER
[≈WY21W]

AMBER

Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|---|---------------|---------------|----------|-------------|-----|
| X-tremeUltinon LED gen2 headlighting | | | | | |
|  X-tremeUltinon LED gen2 LED-HL [≈H4] | 8719018060129 | 8719018060136 | 06012931 | 11342XUWX2 | 6 |
|  X-tremeUltinon LED gen2 LED-HL [≈H7] | 8719018060143 | 8719018060150 | 06014331 | 11972XUWX2 | 6 |
|  X-tremeUltinon LED gen2 LED-FOG [≈H8/H11/H16] | 8719018060167 | 8719018060174 | 06016731 | 11366XUWX2 | 6 |
| X-tremeUltinon LED gen2 signaling | | | | | |
|  X-tremeUltinon LED gen2 LED-WHITE [≈P21W] | 8719018051455 | 8719018051486 | 05145530 | 11498XUWX2 | 10 |
|  X-tremeUltinon LED gen2 LED-T20-WHITE [≈W21W] | 8719018051462 | 8719018051479 | 05146230 | 11065XUWX2 | 10 |
|  X-tremeUltinon LED gen2 LED-T20-WHITE [≈W21/5W] | 8719018051493 | 8719018051509 | 05149330 | 11066XUWX2 | 10 |
|  X-tremeUltinon LED gen2 LED-T16-WHITE [≈W16W] | 8719018051844 | 8719018051851 | 05184430 | 11067XUWX2 | 10 |
|  X-tremeUltinon LED gen2 LED-RED [≈P21W] | 8719018051578 | 8719018051585 | 05157830 | 11498XURX2 | 10 |
|  X-tremeUltinon LED gen2 LED-RED [≈P21/5W] | 8719018051516 | 8719018051523 | 05151630 | 11499XURX2 | 10 |
|  X-tremeUltinon LED gen2 LED-T20-RED [≈W21W] | 8719018051530 | 8719018051547 | 05153030 | 11065XURX2 | 10 |
|  X-tremeUltinon LED gen2 LED-T20-RED [≈W21/5W] | 8719018051554 | 8719018051561 | 05155430 | 11066XURX2 | 10 |
|  X-tremeUltinon LED gen2 LED-AMBER [≈PY21W] | 8719018051592 | 8719018051608 | 05159230 | 11498XUAXM | 10 |
|  X-tremeUltinon LED gen2 LED-AMBER [≈WY21W] | 8719018051615 | 8719018051622 | 05161530 | 11065XUAXM | 10 |

Installing LED retrofit headlights can get complicated:
Philips connector rings ensure a better fit for your
peace of mind.



Connector rings for LED-HL



A better fit for LED retrofit bulbs

Easy to fit

LED-HL [≈H7] headlights feature a wide variety of lamp brackets, making installation complicated. Philips LED connector rings ensure your bulbs **fit the widest range of car models**, giving you peace of mind and great lighting performance.

We provide a variety of robust exchangeable Philips connector rings to **improve the fit in most vehicle models and make installation easier**.

Compatible with major car models

To achieve a good fit in a wide range of car models, two model-specific connector rings are available for Philips LED-HL [≈H7].

Easy installation

Both connector ring types have an integrated protractor to make sure that they are installed at the right angle and correctly oriented.



Reliable Philips quality

As optional accessories for **Philips advanced automotive lighting systems**, the type B and C LED connector rings are **top-quality products**. They are made of durable metal, can handle high temperatures and provide **long-lasting performance**. Tested in the toughest conditions, they are proven to withstand physical and thermal stress.

Connector ring type B

Type B is compatible with all Philips LED retrofit ranges.



Connector ring type C

Type C is compatible with Philips Ultinon LED and Philips X-tremeUltinon LED gen2 headlights.



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|-----------------------|---------------|---------------|----------|-------------|-----|
| Connector ring type B | 8719018051219 | 8719018051226 | 05121930 | 11172BX2 | 10 |
| Connector ring type C | 8719018051233 | 8719018051240 | 05123330 | 11172CX2 | 10 |

philips.com/automotiveLED



It is your own responsibility to ensure that the use of the LED retrofit lights complies with applicable local legal requirements.

Some car models present particular challenges for LED-based retrofit lamps. Philips' unique CANbus adapters ensure the vehicle's lighting systems function smoothly.



LED CANbus adapters for LED-HL



Reliable electrical performance

Compatibility assured

Easy to install, these adapters ensure compatibility with your car's electrical systems, **preventing potential problems** with dashboard warnings, flickering headlamps and high-beam indicators*.

Superior electrical performance

The Philips CANbus adapter lets you **ensure the constant performance** of your LED retrofit headlamps and enjoy a **better electrical fit with your car**.

Easy installation

Thanks to its **unique, advanced design**, the Philips CANbus adapter is easy to install and provides superior performance from day one.

Waterproof connectors

Type-specific adapters are **durable** and provide **IP65 protection** from ingress of dust and water.

Optimal performance in all conditions

Philips' CANbus adapters are **designed to handle the demands of daily driving**.

Automotive grade quality

Technologically advanced, Philips lighting is renowned in the automotive industry and has been for over 100 years. Philips Automotive Grade Quality products are designed and developed following **strict quality-control processes** (including applicable ISO norms), leading to consistently high production standards. Major car manufacturers choose Philips lamps, because when you buy Philips products, you buy quality.



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|--|---------------|---------------|----------|-------------|-----|
| CANbus adapter for LED-HL [≈H4] | 8727900398090 | 8727900398106 | 39809030 | 18960C2 | 10 |
| CANbus adapter for LED-HL [≈H7] | 8719018050649 | 8719018050656 | 05064930 | 18952C2 | 10 |
| CANbus adapter for LED-FOG [≈H8/H11/H16] | 8719018050663 | 8719018050670 | 05066330 | 18954C2 | 10 |

philips.com/automotiveLED

* High beam dashboard indicator is only valid for LED-HL [≈H4]



It is your own responsibility to ensure that the use of the LED retrofit lights complies with applicable local legal requirements.



Halogen lighting



Original Equipment Quality

Your ultimate choice for the road ahead

We are one of the world's leading automotive lighting manufacturers. Renowned for our technological innovations, we use **high-quality materials** and offer **best-in-class products**. Our 12V car lighting range is a family of lighting products designed for the needs and lifestyles of all consumers.

High-quality lighting really does make a difference. That's **safety you can see!**



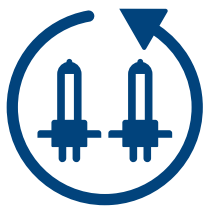
High manufacturing standards

Our advanced light technology has been at the forefront of automotive lighting for **more than 100 years**.

We are committed to producing best-in-class products and services in the Original Equipment Manufacturer (OEM) market and automotive aftermarket. Our products are manufactured from high-quality materials and tested to the highest specifications to maximize safety and driving comfort for our customers.

- We are the choice of major car manufacturers
- Our lighting equips one in three cars in the world
- Manufacturing processes that exceed current industry specifications

Change headlamps in pairs



Research shows that light has an incredibly important role to play in road safety. It is also the only 'active' safety feature on a vehicle that helps to prevent accidents.

For the best visibility and more effective maintenance, we recommend changing both lamps at the same time.

The same applies when upgrading headlights with high-performance bulbs such as WhiteVision ultra or X-tremeVision G-force, to ensure a homogeneous beam pattern.

Anti-UV quartz glass for optimal lighting performance

All Philips quartz-glass lamps also offer a UV shield to protect your modern plastic optics from harmful UV rays.



• More powerful light

The enhanced durability of quartz glass allows for increased pressure inside the lamp and thus generates more powerful light.

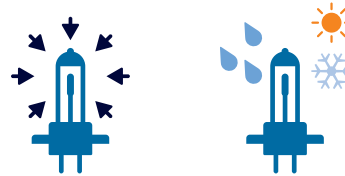
• More robust

Philips quartz glass lamps (filament at 2 650°C and glass at 800°C) are capable of withstanding severe thermal shocks.

• Optimal protection against ultraviolet rays

All Philips quartz-glass lamps also offer a UV shield to protect your modern plastic optics from harmful UV rays.

Philips quartz-glass light bulb



- Allows greater gas pressure for more light and longer lifetime
- Withstands greater temperature fluctuations

Standard hard-glass light bulb



- Less temperature-resistant
- Risk of explosion



Which car lamp do you need?

Experience more light

Up to **30%** more vision*



Vision

★★★★★



Beam performance



Light color

Up to **3200 K**



Standard: 3100 K

Lifetime**

Up to **600 h**



Available in H1, H3, H4, H7, HB3, HB4, H11

Up to **60%** more vision*



VisionPlus

★★★★★



Beam performance



Light color

Up to **3250 K**



Standard: 3100 K

Lifetime**

Up to **500 h**



Available in H1, H4, H7

Up to **130%** brighter light*



X-tremeVision

★★★★★



Beam performance



Light color

Up to **3500 K**



Standard: 3100 K

Lifetime**

Up to **450 h**



Available in H1, H4, H7

New

Up to **130%** brighter light*



X-tremeVision G-force

★★★★★



Beam performance



Light color

Up to **3500 K**



Standard: 3100 K

Lifetime**

Up to **450 h**



Available in H1, H4, H7***

Images for illustration purposes only.

* Compared to the minimum legal standard

** Lifetime differs per type, indication for H7 only

*** 10 G applies to H4 and H7

**** Lifetime limited

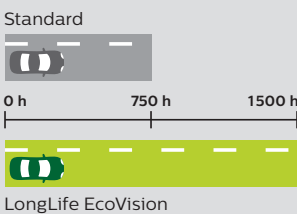


Light that lasts

Lifetime up to **1500 hours****



LongLife EcoVision
★★★★★



Beam performance



Light color
Up to **3100 K**



Lifetime**



Available in
H1, H3, H4, H7, H11

Enjoy your passion

New

Intense **white**
xenon effect



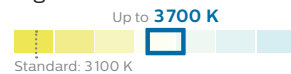
WhiteVision
★★★★★



Beam performance



Light color



Lifetime**



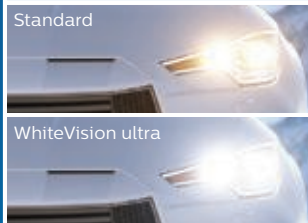
Available in H1, H3, H4,
H7, H8, H11, HB3, HB4

Sharp **white**
look



Range up to **4200 K**

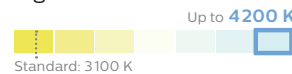
WhiteVision ultra
★★★★★



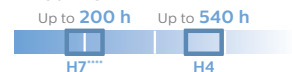
Beam performance



Light color



Lifetime



Available in
H4, H7

Up to **150%**
brighter light*



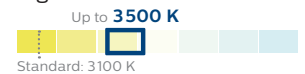
RacingVision
★★★★★



Beam performance



Light color



Lifetime**



Available in
H4, H7

Get a sharp look with the new Philips WhiteVision ultra halogen car headlights. Featuring the latest patented coating formula, these bulbs deliver a stunning 4200 Kelvin. As the whitest road-legal halogen lights in the Philips automotive portfolio, they are the perfect choice for a cool, stylish upgrade.



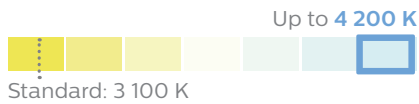
WhiteVision ultra

Sharp white look



White stylish look with up to 4200 Kelvin

Philips WhiteVision ultra headlamps revolutionize the car's look with up to **4200 Kelvin of sharp white light**. These bulbs are designed for drivers looking for a bright white upgrade. Thanks to the new, advanced coating formula on the glass, WhiteVision ultra bulbs are Philips whitest road-legal lights. These headlamps provide a stunning look in the headlamp's reflector delivering an **unrivalled white light style**.



Stunning road-legal headlights

Philips WhiteVision ultra light bulbs are **homologated** for bright white light on the road. Drivers enjoy a vibrant look from a **street-legal bulb** compliant with relevant regulations. It gives them great visibility without compromising safety by dazzling the car in front.



Driving comfort with up to 60% more vision*

The new Philips WhiteVision ultra coating formula, along with its cool white light, significantly **improves visibility at night by up to 60%*** and enhances driver comfort by reducing eye fatigue. When design meets functionality, you enjoy a great look and enhanced driving comfort.



With up to 60% more vision, the sharp beam pattern enables drivers to not only see other road users more clearly but also be better seen by them. It improves safety and gives them more time to react to potential hazards on the road ahead.

Renowned quality and enhanced safety

Better and brighter lights mean increased performance on the road. Their optimized high-precision filament geometry, high-pressure gas filling, high-precision coating and high-quality **UV-quartz glass** enable WhiteVision ultra headlamps to set a new standard for road-legal white light. Engineered for great style and visibility, these bulbs provide a more relaxed, fun driving experience.

Philips WhiteVision ultra headlamps are available in H4 and H7.



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|-------------------------|---------------|---------------|----------|-------------|-----|
| WhiteVision ultra H7 SM | 8727900354959 | 8727900354942 | 35495928 | 12972WVUSM | 5 |
| WhiteVision ultra H7 B1 | 8727900354935 | 8727900354928 | 35493530 | 12972WVUB1 | 10 |
| WhiteVision ultra H4 SM | 8727900354904 | 8727900354911 | 35490428 | 12342WVUSM | 5 |
| WhiteVision ultra H4 B1 | 8727900354898 | 8727900354881 | 35489830 | 12342WVUB1 | 10 |

Images and graphs for illustration purposes only. * Compared to the minimum legal standard

Philips X-tremeVision G-force car bulbs are among the brightest drivers can buy. They outshine most other car lamps with up to 130% more brightness*, superior beam length and up to 10 G vibration resistance**. See further, react faster and drive safer.



X-tremeVision G-force



The best combination
of **high performance**
and **lifetime**

Up to +130% brighter light for better visibility*

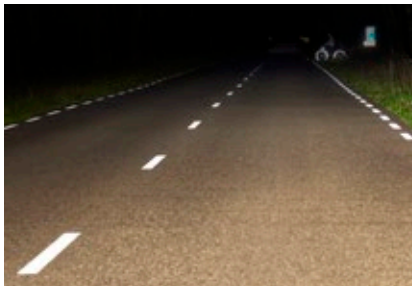
Philips X-tremeVision G-force headlights are made for outstanding performance, producing up to **+130% brighter light***, without compromising on lifetime.



Standard



Philips X-tremeVision G-force

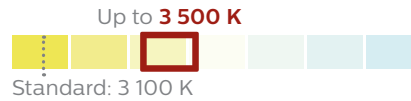


Even more contrast with a whiter light

Philips X-tremeVision G-force is one of the brightest halogen bulbs for **ultimate light performance**. The bright white light of up to **3 500 Kelvin** is whiter than standard headlamps. The Philips patented coating technology produces a more powerful light.

Drivers can enjoy lighting performance among the brightest on offer and a much more comfortable night driving

experience that helps them recognize obstacles and potential hazards earlier than most other halogen headlight lamps.



Durable lights with up to 10 G vibration resistance**

Every potential failure of a spare part is a risk for you and your vehicle. This is especially true for headlights. Philips X-tremeVision G-force is designed to last. Tested for up to **10 G vibration resistance**, these lamps underline their great endurance.

Philips X-tremeVision G-force featuring a unique xenon gas mixture is optimized for a long and reliable lifetime. It has proven to have a significantly longer lifetime than competitor solutions in the “more light” category. Now enjoy up to **450 hours***** on the road.

Renowned quality and enhanced safety

With their optimized high-precision filament geometry, up to **13 bar high-pressure gas filling**, high-precision coating and high-quality UV-quartz glass, Philips X-tremeVision G-force headlights are at the forefront of high-performance bulbs. They are engineered for ultimate performance and uncompromised visibility.

Philips X-tremeVision G-force headlamps are available in H1, H4 and H7.



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|-----------------------------|---------------|---------------|----------|-------------|-----|
| X-tremeVision G-force H7 S2 | 8727900355413 | 8727900355789 | 35541328 | 12972XVGS2 | 5 |
| X-tremeVision G-force H7 B1 | 8727900355796 | 8727900355802 | 35579630 | 12972XVGB1 | 10 |
| X-tremeVision G-force H4 S2 | 8727900355253 | 8727900355284 | 35525328 | 12342XVGS2 | 5 |
| X-tremeVision G-force H4 B1 | 8727900355291 | 8727900355390 | 35529130 | 12342XVGB1 | 10 |
| X-tremeVision G-force H1 S2 | 8727900355208 | 8727900355215 | 35520828 | 12258XVGS2 | 5 |
| X-tremeVision G-force H1 B1 | 8727900355222 | 8727900355239 | 35522230 | 12258XVGB1 | 10 |

Images and graphs for illustration purposes only

* Compared to the minimum legal standard ** 10 G vibration resistance applies to H4 and H7 types *** Applies to H4 and H7

Which lamp for which **function**?



R2 R2 Visio H1 H3 H4 H7 H9 H10 H11 H13 H15 H18 H19 HB3 HB4 HB5 HIR2



Low beam – high beam



H21W HY21W P21W PY21W PY21Wsv W21W WY21W PSY24W PSY24Wsv PWY24W PY24W PY24Wsv



P13W PW16W PS19W PSX26W HiPerLCP



Front indicators



T4W H5W W5W WBT10 C5W FEST10W LED-T10 (=W5W) LED-FEST 43mm



Daytime Running Lights



W3W W5W WBT5 Bax



Interior lights



W3W T4W R5W H5W W5W H6W W21/5W



Dashboard lights



Front parking lights



W3W T4W R5W W5W WY5W PCY16W



H1 H3 H4 H7 H8 H11 H16 HB3 HB4 H27W/1 H27W/2 PSX24W PS24W



Side indicators



Front fog lights





Vision

VisionPlus

X-tremeVision

X-tremeVision
G-force

New

LongLife
EcoVision

WhiteVision

WhiteVision
ultra

New

RacingVision

philips.com/mylamps



12844 12821 12866

12814 12093 12067 12356 12146 12498 12496 12496sv 12065 12071 12275 12174 12180 12190 12274

C5W R5W FEST10W

R10W RY10W W16W H21W HY21W P21W PY21W PY21Wsv W21W WY21W PSY19W PWY24W PSY24Wsv PY24W PY24Wsv



Trunk lights



Rear indicators



12256 12961 12067 12065 12814

W3W W5W W16W W21W R10W



3rd stop light



12067 12356 12498 12065 12085 12276

W16W H21W P21W W21W PSY19W PSX24W



Reversing light



12844 12821 12961

C5W R5W W5W



Glove compartment lights



12929 12821 12961 12036 12814 12594 12499 12814

T4W R5W W5W H6W R10W P21/4W P21/5W PR21/5W



Rear parking lights



12067 12498 12088 12594 12499 12814 12065 12066

W16W P21W PR21W P21/4W* P21/5W* PR21/5W* W21W W21/5W*



License plate lights



Rear fog lights



Stop lights



12256 12844 12821 12961 12814

W3W C5W R5W W5W R10W

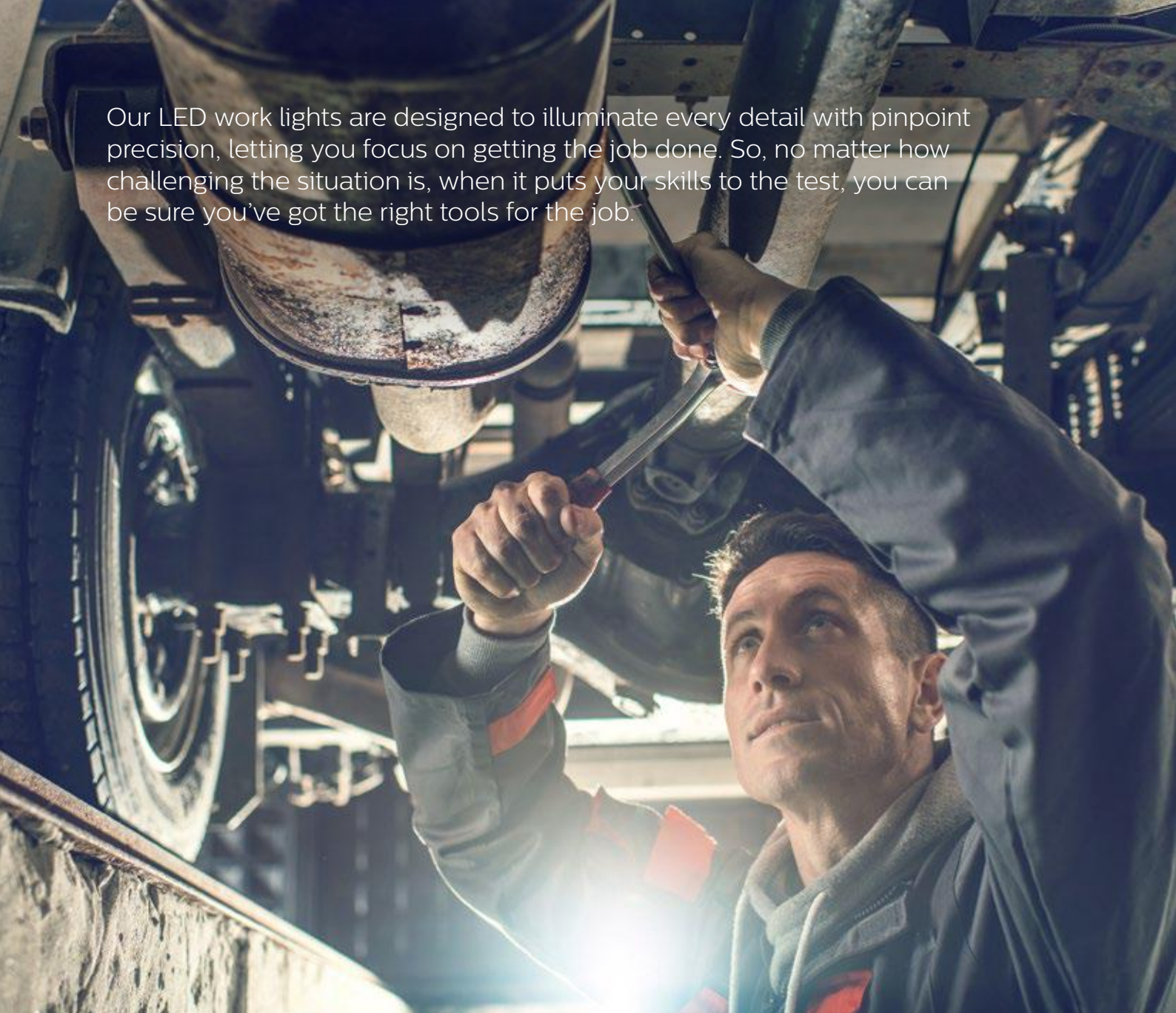


12067 12356 12498 12088 12085

W16W H21W P21W PR21W PS19W

*Combines stop and rear parking light function

Our LED work lights are designed to illuminate every detail with pinpoint precision, letting you focus on getting the job done. So, no matter how challenging the situation is, when it puts your skills to the test, you can be sure you've got the right tools for the job.



Professional LED work lights





















Defeat darkness



Find the right professional **LED work light** for the job

| HDL10 | Penlight Professional | PEN20 | Penlight Premium |
|--|--|---|---|
| | | | |
| | | | |
| Boost light 100 lm <10 h | Boost light 130 lm <11 h | Boost light 200 lm <2 h | Boost light 145 lm <6 h |
| Eco light 50 lm <10 h | | Eco light 100 lm <4.5 h | Eco light |
| Light angle/flexibility 50° 90° | Light angle/flexibility 40° | Light angle/flexibility 80° | Light angle/flexibility 80° |
| | Features 20 lm spot light | Features FindMe | Features 120 lm FindMe |
| Fixture Headband | Fixture Clip | Fixture Clip Magnet | Fixture 80° clip Magnet |
| Robustness IPX4 | Robustness IP54 | Robustness IP54 IK07 | Robustness IP54 IK07 |
| Grease resistance Garage proof | Grease resistance Garage proof | Grease resistance Garage proof | Grease resistance Garage proof |
| Power supply 3x AAA | Power supply 3x AAA | Power supply <2 h | Power supply 2 h |
| | | Charging features Micro USB 1500x | Charging features Micro USB |
| Order entry LPL29B1 GOC 39360631 | Order entry LPL19B1 GOC 38819031 | Order entry LPL42X1 GOC 39631731 | Order entry LPL28RECHX1 GOC 39220394 |

| New | | New | | New | |
|--|--|--|--|--|--|
| RCH5S | | RCH6 | | RCH10 | |
|  | |  | |  | |
|  | |  | |  | |
| Boost light  300 lm  <1.5 h | | Boost light  130 lm  2 h | | Boost light  150 lm  <5 h | |
| Dimmed light  30 lm  <12 h | | Eco light  70 lm  4 h | | Eco light  120 lm  7 h | |
| Light angle/flexibility  120°  180° | | Light angle/flexibility  90°  90° | | Light angle/flexibility  120° | |
| Features  Dimming  120 lm | | Features  Headband  FindMe | | Features  FindMe | |
| Fixture  360° hook  Magnet | | Fixture  Clip  Magnet | | Fixture  360° hook  Magnet | |
| Robustness  IP68  IK09 | | Robustness  IP54  IK07 | | Robustness  IP54  IK07 | |
| Grease resistance  Garage proof | | Grease resistance  Garage proof | | Grease resistance  Garage proof | |
| Power supply   <2.5 h | | Power supply   1 h | | Power supply   4 h | |
| Charging features  Docking station | | Charging features  Micro USB  1500x | | Charging features  Micro USB | |
| Order entry LPL62X1 GOC 05163931 | | Order entry LPL38X1 GOC 39607231 | | Order entry LPL20X1 GOC 39060531 | |
| RCH19 | | RCH21S | | RCH25 | |
|  | |  | |  | |
|  | |  | |  | |
| Boost light  250 lm  4 h | | Boost light  300 lm  3.5 h | | Boost light  500 lm  <3.5 h | |
| Eco light  120 lm  7 h | | Eco light  120 lm  6 h | | Dimmed light  50 lm  <10 h | |
| Light angle/flexibility  90°  180° | | Light angle/flexibility  90°  90° | | Light angle/flexibility  120°  180° | |
| Features  FindMe | | Features  Dimming  300 lm | | Features  Dimming  300 lm | |
| Fixture  360° hook  Magnet | | Fixture  360° hook  Magnet | | Fixture  360° hook  Magnet | |
| Robustness  IP20  IK07 | | Robustness  IP65  IK08 | | Robustness  IP68  IK09 | |
| Grease resistance  Garage proof | | Grease resistance  Garage proof | | Grease resistance  Garage proof | |
| Power supply   <3 h | | Power supply   <2 h | | Power supply   <3.5 h | |
| Charging features  Micro USB | | Charging features   1500x | | Charging features  Docking station | |
| Order entry LPL46X1 GOC 39823631 | | Order entry LPL47X1 GOC 39841031 | | Order entry LPL63X1 GOC 05165331 | |

| RCH31UV | CBL10 | CBH51 | New PJH10 | PJH20 | MDLS CRI |
|---|---|--|---|---|---|
| | | | | | |
| | | | | | |
| Boost light 350 lm 3.5 h | Boost light 330 lm | Boost light 1200 lm 3 h | Boost light 1000 lm <3 h | Boost light 2300 lm 2 h | Boost light 1500 lm 1 h |
| Eco light 150 lm <8 h | | Eco light 500 lm 5.5 h | Dimmed light 100 lm <12 h | Eco light 1200 lm 4 h | Eco light 750 lm 2.5 h |
| Light angle/flexibility 90° 90° | Light angle/flexibility 120° | Light angle/flexibility 120° 360° | Light angle/flexibility 90° 180° | Light angle/flexibility 90° 180° | Light angle/flexibility 360° 90° |
| Features UV light FindMe | | | Features Dimming | Features CRI 92 Matte filter | Features CRI 92 Matte filter |
| Fixture 360° hook Magnet | Fixture 360° hook | Fixture 1.1–1.8 m holder | Fixture Magnet | | Fixture Clamp Magnet |
| Robustness IP54 IK07 | Robustness IP54 IK07 | Robustness IP54 IK07 | Robustness IP68 IK09 | Robustness IP67 IK09 | Robustness IP54 IK07 |
| Grease resistance Garage proof | Grease resistance Garage proof | Grease resistance Garage proof | Grease resistance Garage proof | Grease resistance Garage proof | Grease resistance Garage proof |
| Power supply 2.5 h | Power supply 100–240 V 5 m | Power supply 100–240 V 5 m | Power supply <4.5 h | Power supply 100–240 V 5 m | Power supply 1:1 h 3:2 h |
| Charging features Docking station | | Charging features 2 h | Charging features Micro USB | Charging features 3.5 h Power bank | Charging features Docking station |
| Order entry LPL34UVX1 GOC 39419131 | Order entry LPL35X1 GOC 39421431 | Order entry LPL45X1 GOC 39732131 | Order entry LPL64X1 GOC 05167731 | Order entry LPL39X1 GOC 39609631 | Order entry LPL403MODX1 GOC 39627066 |

Professional work light features



Boost light

Maximum light output (in lumen)



Ingress protection

Degree of protection against the intrusion of solid objects, dust, accidental contact and water



Power cable

Power supply by power cable



Eco light

Light output during power save mode (in lumen)



Shock protection

Degree of protection by enclosures against external mechanical impacts



Rechargeable

Power supply by rechargeable battery



Spot light

Additional small light to reach confined spaces or reduce energy consumption



Grease resistant

Highly resistant to grease and workshop solvents



Hybrid power

Power supply by power cable or an integrated rechargeable backup battery

New



Dimming

Adjustable brightness to match a variety of illumination needs, including a memory function



Matte filter

Filter to reduce glare from lacquered surfaces to reduce eye strain and to facilitate color identification



Charging time

Time to fully recharge the integrated rechargeable battery



Operating time

Operating time during one charge cycle



True daylight match

High color rendering index of >90 for working conditions close to natural sunlight



Long cable

Length of the power cable



Beam angle

Angle of the light beam



Strong magnet

Magnet included in the lamp



Micro USB

Recharging via micro USB cable (incl. in the packaging)



Pivoting lighting module

Flexibility of the lamp thanks to pivoting lighting module



Fixture

Fixture such as clips, clamps, hooks etc. to enable hands-free working



Charging cycles

Ultra-durable lithium battery with up to 1,500 recharge cycles (5x longer than standard lithium batteries)



UV light

Additional UV light e.g. to detect leaks in coolant systems



Headband

Lamp can be worn on the forehead with the included headband



Docking station

Recharging via docking station (incl. in the packaging) which can be mounted on the wall



FindMe LED

Flashing red LED to easily find the lamp in dark spaces.



USB port

Lamp can be used as a power bank to recharge USB devices



3x AAA batteries incl.

Power supply by 3x AAA batteries (incl. in the packaging)

RCH5S Pocket inspection lamp



Small and powerful dimmable LED light

High-quality white LED light

- Unique dimming function for comfort: **30 – 300 lumen** including memory function
- Boost mode: up to **300 lumen**
- Spot light: up to **120 lumen**
- **120°** wide beam angle
- Bright natural light: **6000 K**

Enhanced robustness

- Very strong impact resistance: **IK09**
- High water and dust protection: **IP68**
- Chemical and workshop solvents resistance

Durable battery

- **Shared docking station** with Philips RCH25
- Long autonomy: up to **12 hours** (dimmed light)
- Super-fast recharge: **less than 2.5 hours**

Versatility

- **180° rotatable** lighting module
- **Hands-free**: 360° retractable hook and strong magnet



| | |
|--|--|
| | Unique dimming function: 30 – 300 lumen |
| | Very strong impact resistance: IK09 |
| | High water and dust protection: IP68 |



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|---------|---------------|---------------|----------|-------------|-----|
| RCH5S | 8719018051639 | 8719018051646 | 05163931 | LPL62X1 | 6 |

RCH25 Cordless work lamp



Control light with your fingertips

High-quality white LED light

- Unique dimming function for comfort: **50 – 500 lumen** including memory function
- Boost mode: up to **500 lumen**
- Spot light: up to **300 lumen**
- **120°** wide beam angle
- Bright natural light: **6000 K**

Enhanced robustness

- Very strong impact resistance: **IK09**
- High water and dust protection: **IP68**
- Chemical and workshop solvents resistance

Durable battery

- **Shared docking station** with Philips RCH55
- Long autonomy: up to **10 hours** (dimmed light)
- Fast recharge: **less than 3.5 hours**

Versatility

- **180° rotatable** lighting module
- **Hands-free**: 360° retractable hook and strong magnet



| | |
|--|--|
| | Unique dimming function: 50 – 500 lumen |
| | Very strong impact resistance: IK09 |
| | High water and dust protection: IP68 |



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|---------|---------------|---------------|----------|-------------|-----|
| RCH25 | 8719018051653 | 8719018051660 | 05165331 | LPL63X1 | 6 |

PJH10 Portable projector light



Daylight in your workshop

High-quality white LED light

- Unique dimming function for comfort: **100 – 1000 lumen** including memory function
- Boost mode: up to **1000 lumen**
- **90°** beam angle
- Bright natural light: **6000 K**

Enhanced robustness

- Very strong impact resistance: **IK09**
- High water and dust protection: **IP68**
- Chemical and workshop solvents resistance

Durable battery

- Long autonomy: up to **12 hours** (dimmed light)
- **Micro-USB** charger
- Recharge: **less than 4.5 hours**

Versatility

- **180° rotatable** lighting module
- **Hands-free**: strong magnet and third foot including a clip



| | |
|--|--|
| | Unique dimming function: 100 – 1000 lumen |
| | Very strong impact resistance: IK09 |
| | High water and dust protection: IP68 |



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|---------|---------------|---------------|----------|-------------|-----|
| PJH10 | 8719018051677 | 8719018051684 | 05167731 | LPL64X1 | 6 |



The Philips GoSure ADR820 is a premium modular dashcam that gives users the ability to add on GPS, full HD rear camera and parking surveillance functions*.

GoSure ADR820 Modular dashcam



Your road safety guardian

Instead of relying on conflicting opinions when incidents occur, drivers can now record their journey and collect objective evidence, capturing every detail with top-quality video footage. An **Advanced Driver Assistance System** adds a host of safety features.



Modular design with rear camera, GPS unit and parking monitoring kit*

The modular Philips GoSure ADR820 allows drivers to upgrade with a **full HD rear camera** to ensure maximum coverage. Installation is quick and easy – users simply attach the rear camera to the rear windshield, and then plug into the GoSure ADR820 with the cable provided.

The Philips GoSure ADR820 is also compatible with a **GPS module**, built into a suction mount. Users simply replace the standard suction mount with the GPS version and plug it into the dashcam. A GPS stamp with the vehicle's exact location is added to all video footage.

A **parking-surveillance kit** will soon be available to plug into the Philips GoSure ADR820.



Full HD rear camera



GPS module



Parking-surveillance kit

Packed with features to protect drivers

Tiredness is a major cause of traffic accidents. To help remind a driver to get sufficient rest, the Philips GoSure ADR820 periodically sounds a beeping alarm to alert the driver – useful for those longer journeys and an effective **Advanced Driver Assistance System (ADAS)**.



Beside this fatigue alert, drivers can set up a headlamp-on warning for low-light conditions.

Record detailed videos in stunning quality

The Philips GoSure ADR820 is equipped with a quality image sensor and bright F1.8 lens for a **good visibility when driving during the day, at night or in low-light conditions.**



With a **140° super-wide-angle lens** for the front camera and 100° wide-angle lens for the optional full HD rear camera, Philips GoSure ADR820 also captures more of what's happening around the vehicle, recording up to three lanes of traffic.



Enhanced safety on the road

With a **large built-in 2.7" LCD screen**, drivers get instant video playback of any incident, including a date and time stamp.



Furthermore, with **built-in 2.4 GHz Wi-Fi**, users can live-stream dashcam videos to a smartphone**. **The Philips GoSure mobile application** is available for both Android and iOS. With this objective evidence they can resolve any disputes, speeding up any roadside investigation and insurance-claim process***.



This vital evidence is also protected. Equipped with a **3-axis G-sensor module**, the Philips GoSure ADR820 detects any movement and triggers an emergency recording mode immediately at the point of impact. During a collision that exceeds a certain force threshold, the device locks the recorded video clip to prevent it being overwritten – safely securing this on a durable memory card.



The GoSure ADR820 is also **the first dashcam ever to feature micro SD card-failure detection** and warning signal. Drivers are warned of such problems as formatting difficulties, failure to record or card incompatibility. The Philips GoSure ADR820 has been designed for Micro SD cards, class 10, up to 128 GB.



Ordering information

| Product | EAN1 | EAN3 | GOC | Order entry | MOQ |
|-----------------------------------|---------------|---------------|----------|-------------|-----|
| GoSure ADR820XM 56750 XM | 6947939168361 | 6947939168583 | 16836133 | 56750XM | 2 |
| GoSure ADR820 full HD rear camera | 8727900340426 | 8727900340433 | 34042630 | GRC20XM | 10 |
| GoSure ADR820 GPS20 | 8727900340402 | 8727900340419 | 34040230 | GPS02XM | 10 |

* Optional modules to be purchased separately ** File format is .mp4 *** Depending on local regulations and processes





